

Sub 01) 31. The muntin grid piece of claim 23, wherein the outer muntin grid element is collapsible.

Pub 132 32. The muntin grid piece of claim 31, wherein the outer muntin grid element is resilient.

A2 33. A simulated divided lite insulating glazing unit having an internal muntin bar; the unit comprising:

first and second spaced glass sheets defining an insulating chamber;

a muntin bar disposed inside the insulating chamber;

the muntin bar having an inner muntin grid element and an outer muntin grid element; and

the outer muntin grid element surrounding at least three sides of the inner muntin grid element.

Sub 01) 34. The unit of claim 33, wherein the outer muntin grid element substantially surrounds the inner muntin grid element.

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35. The unit of claim 34, wherein the outer muntin grid element is a collapsible tube.

Pub 132 36. The unit of claim 35, wherein the tube defines a longitudinal slit that allows the tube to be wrapped around the inner muntin grid element.

Sub 01) 37. The unit of claim 33, wherein the outer muntin grid element is fabricated from a foam material.

38. The unit of claim 37, wherein the foam material includes a desiccant.

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39. A muntin grid piece adapted to be used to form a muntin bar grid for a window; the muntin grid piece comprising:

an inner muntin grid element;

an outer muntin grid element;

the outer muntin grid element being in the form of a flexible tube disposed around the inner muntin grid element to hide the inner muntin grid element from view on both sides of the window when the muntin grid piece is installed; and

the tube defining a slit that allows the tube to be wrapped around the inner muntin grid element.

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40. The muntin grid piece of claim 39, wherein the outer muntin grid element is fabricated from a foam material.

41. The muntin grid piece of claim 40, wherein the outer muntin grid element has a desiccant.

42. The muntin grid piece of claim 39, wherein the slit in the outer muntin grid element defines opposed ends; the opposed ends being angled.

43. The muntin grid piece of claim 39, wherein the tube is collapsible and resilient.

44. An outer muntin grid element used to form a muntin grid piece in a simulated divided lite window; the outer muntin grid element being adapted to fold around an inner muntin grid element having a plurality of spaced corners and a cross sectional perimeter dimension measured about a cross section normal to the longitudinal direction of the inner muntin grid element; the outer muntin muntin grid element comprising:

a body having a width and a longitudinal direction;

the body having longitudinal ends that define the width of the body;

the width being substantially equal to the cross section perimeter dimension of the inner muntin grid element; and

^{A2} (the body one corner notch) for each corner of the inner muntin grid element, the corner notches being spaced apart to align with the corners of the inner muntin grid element when the body is wrapped around the inner muntin grid element.

45. The outer muntin grid element of claim 44, wherein the body is flexible.

46. The outer muntin grid element of claim 45, wherein the body is resilient.

47. The outer muntin grid element of claim 46, wherein the body is fabricated from a foam.

48. The outer muntin grid element of claim 47, wherein the foam includes a desiccant.

49. The outer muntin grid element of claim 44, further comprising an adhesive connected to the body; the adhesive adapted to connect the body to the inner muntin grid element when the body is wrapped around the inner muntin grid element.

50. A simulated divided lite insulating glazing unit having at least one muntin grid piece disposed in the insulating chamber of the glazing unit; the unit comprising:

first and second spaced glass sheets defining an insulating chamber;

a muntin grid piece disposed inside the insulating chamber;

the muntin grid piece including a structural muntin grid element and at least one material strip; and

the at least one material strip being connected to the muntin grid element with a mechanical connection.

51. The unit of claim 50, wherein the material strip is substantially perpendicular to the muntin grid piece when viewed in cross section.

52. The unit of claim 50, wherein the material strip is fabricated from a foam.

53. The unit of claim 52, wherein the material strip includes a desiccant.

54. The unit of claim 50, wherein the connection between the first material strip and the muntin grid element is free of adhesive.

55. The unit of claim 50, wherein the connection between the first material strip and the muntin grid element includes adhesive.

56. The unit of claim 50, wherein one of the first material strip and muntin grid element defines a channel with a portion of the other of the first material strip and muntin grid element being frictionally fit into the channel.

57. The unit of claim 56, wherein the first material strip is dovetailed to the muntin grid element to form the interference fit.

58. The unit of claim 56, wherein the portion disposed in the channel is crimped in place.

59. The unit of claim 56, wherein the first material strip defines spaced channels that receive portions of the muntin grid element.

60. The unit of claim 56, wherein the first material strip is frictionally received in the channel of the muntin grid element.

61. The unit of claim 56, wherein the portion of the first material strip disposed in the channel is deformed.

62. The unit of claim 56, wherein the portion of the first material strip disposed in the channel creates a resilient force against the muntin grid element.

63. The unit of claim 56, wherein the muntin grid element includes an arm that is disposed in the channel of the first material strip.

64. The unit of claim 63, wherein the arm is crimped against the first material strip.

65. The unit of claim 50, wherein the first material strip surrounds a portion of the muntin grid element.

66. The unit of claim 50, further comprising an inner muntin bar and an outer muntin bar; the first and second glass sheets disposed between the inner and outer muntin bars; the muntin grid piece disposed between the inner and outer muntin bars.

67. The unit of claim 66, wherein the at least one material strip hides the muntin grid element from view.

68. The unit of claim 67, further comprising a second material strip connected to the muntin grid element in a location opposite from the at least one material strip wherein the material strips cooperate to hide the muntin grid element from view.